## CHEVY CHASE VILLAGE **BOARD OF MANAGERS** DECEMBER 12, 2011 MEETING

### STAFF REPORT

TO:

**BOARD OF MANAGERS** 

FROM:

SHANA R. DAVIS-COOK, VILLAGE MANAGER.

DATE:

12/8/2011

SUBJECT: PURCHASE AUTHORIZATION AND SUPPLEMENTAL APPROPRIATION REQUEST

—THERMAL VISION SCOPES (CRIME FIGHTING TECHNOLOGY)

The Board budgeted \$5,000 in the current fiscal year for the acquisition of crime fighting technology for use by the Village police department. While no specific solutions were identified, the Board recognized that smart technology can be a force multiplier in modern day public safety efforts. To this end, Chief Fitzgerald was tasked with identifying crime fighting technology that can be used to assist our officers with their efforts in preventing crimes.

Chief Fitzgerald has identified technology that he believes will meet this mandate. Please see the attached memorandum from Chief Fitzgerald. You will note that Chief Fitzgerald has identified six vendors that offer these scopes, all at the same price. He will continue to work with these vendors to secure the best possible price before the final purchase order is executed.

## **Action Requested**

Pursuant to Chief Fitzgerald's memorandum, the following Board action is requested:

- 1. <u>supplemental appropriation</u> from SafeSpeed Program reserves to the Capital (Improvement) Projects, Crime Technology budget in the amount of \$1,000 for the purchase of two thermal vision scopes, and
- authorization for the Village Manager to purchase two thermal vision scopes in an amount not to exceed \$6,000 from the lowest bidder amongst the six vendors identified in Chief Fitzgerald's memorandum.

**Attachments** CIP Expenditure Detail Sheet Memorandum from Chief Fitzgerald

## **Project Detail Sheet**

**Crime Fighting Technology** 

Category Department Public Safety

Date Last Modified Funding Source March 1, 2011 SafeSpeed

Department Zone Location

Police 1, 2, 3, 4

Status

Planning Stage

EST. EXPENDITURE SCHEDULE (dollars in thousands)

| Cost Element                     | Total | Est.<br>FY11 | Total<br>6 Years | FY12 | FY13 | FY14 | FY15 | FY16 | FY17 | Beyond<br>6 Years |
|----------------------------------|-------|--------------|------------------|------|------|------|------|------|------|-------------------|
| Planning, Design and Supervision | 2.5   | 0            | 2.5              | 0.5  | 2    | 0    | 0    | 0    | 0    | 0                 |
| Land acquisition                 | 0     | 0            | 0                | 0    | 0    | 0    | 0    | 0    | 0    | 0                 |
| Site Improvements and Utilities  | 3     | 0            | 3                | 0    | 3    | 0    | 0    | 0    | 0    | 0                 |
| Construction                     | 74.5  | 0            | 74.5             | 4.5  | 70   | 0    | 0    | 0    | 0    | 0                 |
| Other                            | 0     | 0            | 0                | . 0  | 0    | 0    | 0    | 0    | 0    | 0                 |
| Total                            | 80    | 0            | 80               | 5    | 75   | 0    | 0    | 0    | 0    | 0                 |

EST. FUNDING SCHEDULE (dollars in thousands)

|                    |    |   | DAI 10 COL |   | (  |   |   | / |   |   |  |  |
|--------------------|----|---|------------|---|----|---|---|---|---|---|--|--|
| SafeSpeed Revenues | 80 | 0 | 80         | 5 | 75 | 0 | 0 | 0 | 0 | 0 |  |  |
| Total              | 80 | 0 | 80         | 5 | 75 | 0 | 0 | 0 | 0 | 0 |  |  |

EST. OPERATING BUDGET IMPACT (dollars in thousands)

|                     | ESI. OI EI | MILIOD | CDGLI | HIVER INC | T ( | , | , |   |
|---------------------|------------|--------|-------|-----------|-----|---|---|---|
| Labor/Maintenance   |            | 2      | 1     | 1         | 0   | 0 | 0 | 0 |
| Materials/Equipment |            | 0      | . 0   | 0         | 0   | 0 | 0 | 0 |
| Total               |            | 2      | 1     | 1         | 0   | 0 | 0 | 0 |

Description

This project would further enhance the Village Police Department strategies and practices to fight crime throughout the Village as recommended by the Village Public Safety Committee. Currently being explored are the uses of surveillance cameras, unmarked/hybrid police cruisers and GPS tracking for existing police cruisers to better deploy officers to maximum crime deterrence.

### **Estimated Schedule**

The project is currently in the planning stages. In the upcoming fiscal year it is anticipated that modest expenditures may be made to augment and enhance the Village Police Departments crime fighting strategies and practices.

### **Cost Change**

There have been no cost changes.

### Justification

This project would enhance and upgrade the exiting crime fighting strategies and practices creating safer pedestrian and vehicular access throughout the Village. As a result of the increased pedestrian, vehicular and public safety this project is eligible for funding under the *SafeSpeed* program. The project has also been a recommended by the Public Safety Committee to be a priority.

### Other Disclosures

None

Coordination
Board of Managers
Administration/Capital Contracts
Public Safety Committee
Public Works Committee



## POLICE DEPARTMENT

John M. Fitzgerald Chief of Police

5906 Connecticut Avenue, Chevy Chase, MD 20815 (301) 654-7300 FAX: (301) 654-7304 chevychasevillagemd.gov

## Memo

To:

Shana Davis-Cook, Village Manager

From:

John Fitzgerald, Chief of Police

CC:

Board of Managers

Date:

12/7/2011

Re:

Purchase of Two Thermal Vision Scopes for Crime Prevention

### **Our Crime-Prevention Focus**

The Police Department has placed renewed energy on our first priority: crime prevention. To that end, we are working holistically to reduce crime by:

- 1. Constantly reviewing crime-related data in order to allocate resources effectively and to respond quickly to emerging trends.
- 2. Communicating with residents quickly and frequently when crime occurs in the Village or nearby neighborhoods.
- 3. Informing our residents of current crime trends in the Village and surrounding areas.
- 4. Providing residents with simple and sensible recommendations (Light It Up & Lock It Up!) that, when followed, will reduce the likelihood that they will be victimized.
- 5. Working closely with the Public Safety Committee to urge residents to incorporate smart security habits into their daily routines.
- 6. Providing crime prevention advice and literature to all crime victims and witnesses.
- 7. Offering free home security surveys to residents; recommend a fresh survey if the previous one was conducted 3 or more years prior.
- 8. Providing crime prevention literature and advice to new residents.
- 9. Partnering with the Director of Municipal Operations to improve street lighting throughout the Village.
- 10. Strengthening relationships with allied law enforcement agencies (Montgomery County PD, Metropolitan Police, State's Attorney's Office) to share information, tactics, intelligence, resources, and to maximize the public safety benefit to the Village.
- 11. Using unconventional patrol methods to identify suspicious persons or vehicles.
- 12. Identifying, acquiring and using new devices/tools/technologies that support our crime prevention mission and enable our officers to be more effective.

## **Thermal Imaging Technology Request**

Regarding items #11 and #12 above, I am hereby requesting to spend approximately \$6,000 (\$5,000 of FY12 funds from the Police Department's budget, combined with \$1,000 of supplemental funding) to purchase two thermal vision scopes to be used by officers assigned to overnight patrol.

Thermal vision devices 'see' not by using visible light, but by recognizing the differences in heat emitted by persons or objects within range of the device and converting those differences into a black-and-white image. They work as effectively in daylight as in total darkness. This technology will provide our nighttime officers with the ability to observe—without divulging their own location—persons who are lurking in the dark and to identify recently-driven vehicles. This device will give our officers a way to look into the darkness and spot suspicious people and cars in the middle of the night allowing them to promptly investigate the situation.

Examples of thermal images are below:

The B&W images on the left are thermal, and the others are standard photos.



The three images below are thermal.







### **Product Recommendation**

After learning what I could through vendors and the internet, I met with a SWAT officer from the Montgomery County Police Department who serves as their technology procurement agent. I handled and used several devices that he had purchased for his agency, and I've determined that, based on our needs, the FLIR PS32 Thermal Monocular (pictured below) is the right product for us.



The pictured device is hand-held and small enough (7" x 2.5") and light enough (12 ounces) to be carried in a cargo pocket. It has excellent resolution for this type of device (320 x 240 pixels), a simple 4-button operation, a rechargeable battery (by USB cable), a 2x digital zoom feature, and a 2-year warranty.

## **Total Funds Requested**

Initially, I had suggested that we may need \$7,000 to buy two units. Virtually every website/dealer lists this model at \$2,999 per unit (I have attached pages from six websites showing the same price for this item) for a **total of** \$5,998. While that amount will certainly be sufficient to buy 2 units—and I would ask that \$5,998 be earmarked for that purpose—I will negotiate with vendors to explore further discounts if the purchase is approved.



How can we help? 1-877-766-

5412info@optimumenergy.com

VIEW CART (0 Items)
Subtotal: \$0.00 (\$500.00 to go for free shipping)

ELECTRICAL / MECHANICAL

BUILDINGS

NIGHT VISION

SOFTWARE & TRAINING

OGIN / REGISTER | ABOUT US | CONTACT US | HELP | Currency: SD (change)

**ACCESSORIES** 

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FREE SHIPPING FOR ORDERS OVER \$500! You have \$500.00 to go until you get free shipping.

Home » FLIR Scout PS32 Thermal Night Vision Camera

## FLIR Scout PS32 Thermal Night Vision Camera





# Se habla clic aqui









Product brochures

FLIR Scout PS24 PS32 Datasheet

>> See More Documents

I just received my Kill-A-Watt EZ Plug Power Meter. I am extremely impressed with the speed of your service

- Jonathan F

### FLIR Scout PS32

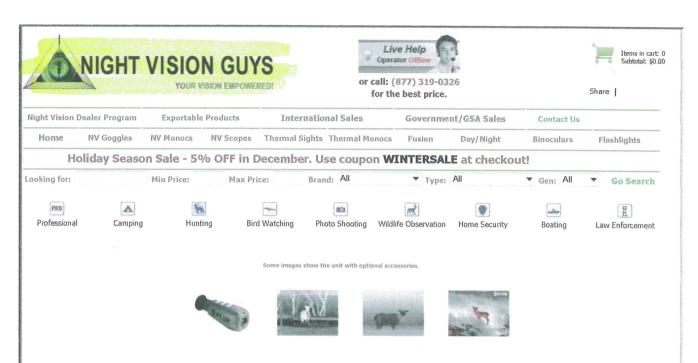
The compact, lightweight FLIR Scout PS32 thermal handheld camera gives you clear, crisp thermal imagery from dawn to dusk and through the dead of night.

The compact, lightweight FLIR Scout PS-Series provides clear, crisp thermal imagery from dawn to dusk and through the dead of night. It fits easily and naturally into the palm of your hand and features simplified operation making it an ideal choice for sportsmen, hikers, ranchers, rangers, or backyard nature enthusiasts. If you can't bear to miss a thing while exploring the great outdoors, the Scout PS-Series Thermal Handheld Camera, starting at less than \$2,000, satisfies your thirst for adventure

With its small form factor, light weight, and powerful imagery, the Scout PS-Series allows you to scan vast areas of environment for long periods of time without arm fatigue. Straightforward operation ensures that you can rely on it for the visual information you need, day or night, while you concentrate on more important matters

Like all FLIR thermal cameras, the Scout PS-Series creates images from





## FLIR Scout PS32 Thermal Monocular Handheld Camera

Item#: TIMNPS32X

Our Price: \$2,999.00 (you save \$560.00) Add to Cart

Ships in USA, Handling 3 - 5 Business Days

or E-mail Sales for the Best Price

## Summary

Palm-Sized Portability Light Weight - Only 12 Ounces Rugged, Weathertight, Ergonomic Design Multiple Resolution Choices Polarity: White Hot, Black Hot and InstAlertTM 4 button operation: Power, Polarity, Zoom and LCD Brightness Embedded LED Tasklight Rechargeable Li-Ion Internal Battery

### Special Offer!

Price match\* minus 5% on advertsided price! (\* item must be in stock) Use Live Help To Get Your Price!

Free Shipping on all orders.

A Gift with Gen 2 & Higher.

## Description

### **FLIR Scout PS32**

The compact, lightweight FLIR Scout PS-32 provides clear, crisp thermal imagery from dawn to dusk and through the dead of night. It fits easily and naturally into the palm of your hand and features simplified operation making it an ideal choice for sportsmen, hikers, ranchers, rangers, or backyard nature enthusiasts. If you can't bear to miss a thing while exploring the great outdoors, the Scout PS-32 Thermal Handheld Camera, satisfies your thirst for adventure.

With its small form factor, light weight, and powerful imagery, the Scout PS-Series (PS24 and PS32) allows you to scan vast areas of environment for long periods of time without arm fatigue. Straightforward operation ensures that you can rely on it for the visual information you need, day or night, while you concentrate on more important matters.

Like all FLIR thermal cameras, the Scout PS-32 creates images from heat, not light, giving you a tactical advantage out in the wild. You can navigate rough terrain to scope out the perfect spot at dusk, before dawn and even when it's pitch black outside. You can discover nocturnal animals, find wandering members of your party, locate lost livestock or spot downed game. You can use Flir Scout PS32 to help see through light fog, smoke or trail dust and even use it to help insulate your home, check out things that go bump in the night, and much more.

UPC: 815121000000

**INCLUDED ACCESSORIES** 

Instruction Manual Neck Lanyard

### Specifications

## [download pdf]

Detector Type 320 x 240 VOx VOx Microbolometer Microbolomete Focal Length 19 mm Fixed Focus Field of View (H. 24° v 18° W) Waveband 7.5 - 13.5 1/4m Digital E-Zoom 2x Start-up < 5 Seconds Diopter Adjustment +2 USB Port Software Updates/Upgrades/Charging

Tasklight LED

Built-In Viewfinder

Color VGA LCD Display\* Display Polarity / Detection

White Hot; Black Hot; InstAlertTM Palettes

FLIR Proprietary Digital Detail Image Optimization

Enhancement Video Output NTSC

Weight (with 12 oz (340 g) battery)

Size  $(L \times W \times H)$ 6.70" x 2.31" x 2.44" (172x 58.7x 62 mm)

Fixed Use Standard Tripod Mount

Standard Warranty 2 Years

Battery Type Internal Battery/Li-Ion

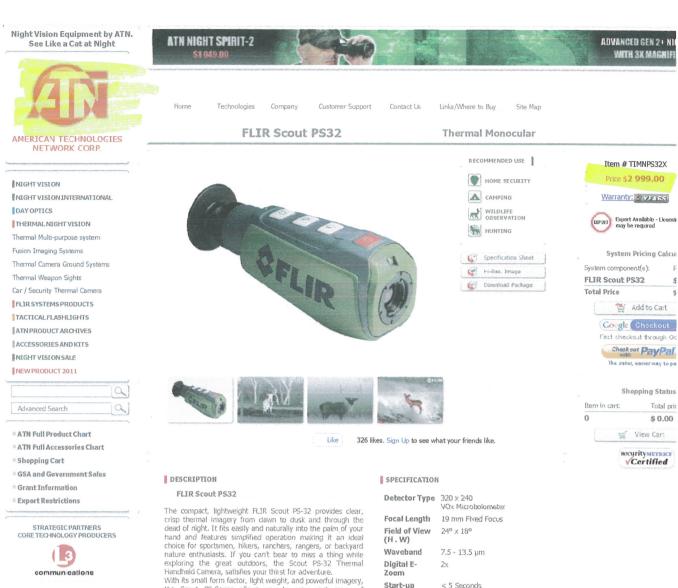
USB Cable for Internal Battery; AC Battery Recharging Adapter; Optional Charging Cradle

Battery Life (Operating) Rating

5+ Hours Typical IP-67 (submersible)

Operating Temp.

-4°F to 122°F (-20°C to +50°C)



With its small form factor, light weight, and powerful imagery, the Scout Ps-Series allows you to scan vast areas of environment for long periods of time without arm fatigue. Straightfonward operation ensures that you can rely on it for the visual information you need, day or night, while you concentrate on more important matters.

Like all FLIR thermal cameras, the Scout PS-32 creates images

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### FEATURES

TT Night Vision

**OFLIR** 

**PHOTONIS** 

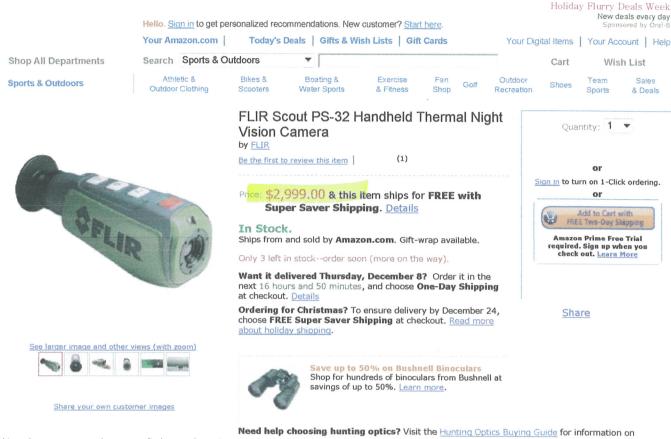
Palm-Sized Portability
Light Weight – Only 12 Ounces
Rugged, Weathertight, Ergonomic Design
Multiple Resolution Choices
Up to 2. Digital Zoom
Polarity: White Hot, Black Hot and InstAlertTM
4 button operation: Power, Polarity, Zoom and
LCD Briothness

Rechargeable Li-Ion Internal Battery

Embedded LED Tasklight

Start-up < 5 Seconds Diopter +2 Adjustment USB Port Software Updates/Upgrades/Charging Tasklight LED Built-In Color VGA LCD Display\* Viewfinder Display Polarity / White Hot; Black Hot; InstAlertTM Detection Palettes Image Optimization FLIR Proprietary Digital Detail Video Output Weight (with 12 oz (340 g) battery) Size (L x W x 6.70" x 2.31" x 2.44" (172x 58.7x 62 H) Fixed Use Standard Tripod Mount Standard 2 Years Warranty Internal Battery/Li-Ion Battery Type USB Cable for Internal Battery; AC

Battery USB Cable for Internal Battery, AC
Recharging
Battery Life
(Operating)
Rating
IP-67 (submersible)
Operating
Temp.
Handheld
Package
Scout PS-Series Thermal Handheld
Camera, USB Cable,
Includes:



binoculars, gun scopes, laser rangefinders, and spotting scopes.

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FLIR Scout PS32

Price: \$2,999.00

Part Number: 001059

Manufacturer: FLIR

Manufacturer Part No: 431-0009-01-00S

The compact, lightweight FLIR Scout PS-Series provides clear, crisp thermal imagery from dawn to dusk and through the dead of night. It fits easily and naturally into the palm of your hand and features simplified operation making it an ideal choice for sportsmen, hikers, ranchers, rangers, or backyard nature enthusiasts. If you can't bear to miss a thing while exploring the great outdoors, the Scout PS-Series Thermal Handheld Camera, starting at less than \$2,000, satisfies your thirst for adventure.

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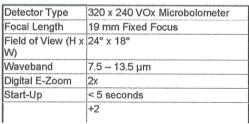
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## **Key Features**

- 320 x 240 Resolution
- · Palm-Sized Portability
- · Light Weight Only 12 Ounces
- · Rugged, Weathertight, Ergonomic Design
- · Up to 2× Digital Zoom
- · Polarity: White Hot, Black Hot and InstAlertTM
- · 4 Button Operation: Power, Polarity, Zoom and LCD Brightness
- · Embedded LED Tasklight
- · Rechargeable Li-Ion Internal Battery

### Specifications







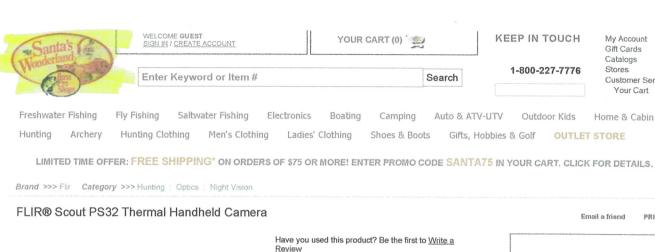
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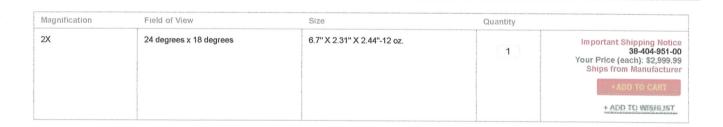
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Customer Reviews Description Outdoor Answers

- Palm-sized portability
- Lightweight-only 12 oz.
- Rugged, weather tight, ergonomic design
- Multiple resolutions
- Range: Detects a man-sized target at 500 yards
- 2x digital zoom
- Simple Three-button operation
- Embedded LED flashlight
- · Rechargeable Li-Ion battery

See in the dark! The compact, lightweight FLIR Scout PS32 provides clear, crisp thermal imagery from dawn to dusk and through the night. The FLIR PS32 Thermal Camera fits in the palm of your hand, and its simplified operation makes it the perfect choice for hunters [Read More]





Reviews Answers **Customer Reviews** Review This Product

Outdoor



**Night Vision Top Sellers**